

User's Manual



U-LINE
CORPORATION

**ICE-MAKERS,
COMBOS AND
REFRIGERATORS**

U-LINE CORPORATION LIMITED WARRANTY

U-Line Corporation warrants each U-Line product to be free from defects in materials and workmanship for a period of one year from the date of purchase; and warrants the sealed system (consisting of the compressor, the condenser, the evaporator, the hot gas bypass valve, the dryer and the connecting tubing) in each U-Line product to be free from defects in materials and workmanship for a period of five years from the date of purchase. During the initial one-year warranty period for all U-Line products U-Line shall: (1) at U-Line's option, repair any product or replace any part of a product that breaches this warranty; and (2) for all Marine, RV and Domestic U-Line products sold and serviced in the United States (including Alaska and Hawaii) and Canada, U-Line shall cover the labor costs incurred in connection with the replacement of any defective part. During years two through five of the warranty period for the sealed system, U-Line shall: (1) repair or replace any part of the sealed system that breaches this warranty; and (2) for all Marine, RV and Domestic U-Line products sold and serviced in the United States (including Alaska and Hawaii) and Canada, U-Line shall cover the labor costs incurred in connection with the replacement of any defective part of the sealed system. All other charges, including transportation charges for replacements under this warranty and labor costs not specifically covered by this warranty, shall be borne by you. This warranty is extended only to the original purchaser of the U-Line product. The Registration Card included with the product should be promptly completed by you and mailed back to U-Line or you can register on-line at www.U-LineService.com.

The following are excluded from this limited warranty: installation charges; damages caused by disasters or acts of God, such as fire, floods, wind and lightening; damages incurred or resulting from shipping, improper installation, unauthorized modification, or misuse/abuse of the product; customer education calls; food loss/spoilage; door and water level adjustments (except during the first 90 days from the date of purchase); defrosting the product; adjusting the controls; door reversal; or cleaning the condenser.

If a product defect is discovered during the applicable warranty period, you must promptly notify either the dealer from whom you purchased the product or U-Line at P.O. Box 23220, Milwaukee, Wisconsin 53223 or at 414-354-0300. In no event shall such notification be received later than 30 days after the expiration of the applicable warranty period. U-Line may require that defective parts be returned, at your expense, to U-Line's factory in Milwaukee, Wisconsin, for inspection. Any action by you for breach of warranty must be commenced within one year after the expiration of the applicable warranty period.

This limited warranty is in lieu of any other warranty, express or implied, including, but not limited to any implied warranty of merchantability or fitness for a particular purpose; provided however, that to the extent required by law, implied warranties are included but do not extend beyond the duration of the express warranty first set forth above. U-Line's sole liability and your exclusive remedy under this warranty is set forth in the initial paragraph above. U-Line shall have no liability whatsoever for any incidental, consequential or special damages arising from the sale, use or installation of the product or from any other cause whatsoever, whether based on warranty (express or implied) or otherwise based on contract, tort or any other theory of liability.

Some states do not allow limitations on how long an implied warranty lasts or the exclusion or limitation of incidental or consequential damages, so the above limitations may not apply to you. This warranty gives you specific legal rights, and you may also have other rights which vary from state to state.

INTRODUCTION

Congratulations on your purchase of U-Line ice making or refrigeration products. A pioneer in the field for more than 30 years, U-Line is the world's number one manufacturer of built-in, under-counter ice making and specialty refrigeration products. U-Line dedicates 100% of its research and development to these products. The result: U-Line technology leads the market with new ideas and superior craftsmanship.

U-Line also backs customers with a strong dealer network. U-Line's commitment to quality even extends to environmentally safe packaging. U-Line products are making life more convenient in homes, business, and hotels around the world.

IMPORTANT

PLEASE READ all instructions completely before attempting to install or operate the unit. All models of Ice Makers and Combos require a connection to the water supply and improper hook-up can result in substantial property damage! If you are unsure of your ability to safely connect the water supply to the unit, consult a licensed plumber for assistance.

Once you have your unit installed, we suggest that you keep this manual in a safe place for future reference. Should any problems occur, refer to the **TROUBLESHOOTING** section of this manual. This information will help you to quickly identify a problem and get it remedied. In the event you require assistance, please contact the dealer where you purchased your unit.

PLEASE RECORD YOUR MODEL'S INFORMATION

Whenever you call to request information or service, you will need to know your model number and serial number. You can find this information on the serial plate located on the inside wall of your unit.

Please also record the purchase date of your U-Line unit and your dealer's name, address and telephone number.

Model Number: _____
Serial Number: _____
Purchase Date: _____
Dealer Name: _____
Dealer Address: _____
Dealer Telephone: _____

Keep this manual and the sales slip together in a safe place for further reference.

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SAFETY PRECAUTIONS

Do not attempt to install or operate your unit until you have read the safety precautions in this manual. Safety items throughout this manual are labeled with a Danger, Warning or Caution based on the risk type.

DEFINITIONS



This is the safety alert symbol. It is used to alert you to potential personal injury hazards. Obey all safety messages that follow this symbol to avoid possible injury or death.



DANGER



DANGER indicates an imminently hazardous situation which, if not avoided, will result in death or serious injury.



WARNING

WARNING indicates a potentially hazardous situation which, if not avoided, could result in death or serious injury.



CAUTION

CAUTION indicates a potentially hazardous situation which, if not avoided, may result in minor or moderate injury.

CAUTION

CAUTION used without the safety alert symbol indicates a potentially hazardous situation which, if not avoided, may result in property damage.

IMPORTANT

Indicates installation, operation or maintenance information which is important but not hazard-related.

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GENERAL PRECAUTIONS



DANGER



Risk of child entrapment. Before you throw away your old refrigerator or freezer: Take off the doors, leave shelves in place so that children may not easily climb inside.



WARNING

- Never attempt to repair or perform maintenance on the unit until the electricity has been disconnected.
- Altering, cutting of power cord, removal of power cord, removal of power plug, or direct wiring can cause serious injury, fire and/or loss of property and/or life and will void the warranty.



CAUTION

- Do not lift unit by door handle.
- Use care when moving the unit. Some edges are sharp and may cause personal injury. Wear gloves when moving or positioning the unit.
- Never install the unit behind closed doors. Be sure front grille is free of obstruction. Obstructing free air flow can cause the unit to malfunction, and may void the warranty.
- Allow unit temperature to stabilize for 24 hours before use.
- Never use an ice pick or other sharp instrument to help speed up defrosting. These instruments can puncture the inner lining or damage cooling unit.
- Failure to clean the condenser every three months can cause the unit to malfunction. This could void the warranty.

CAUTION

- Using a heater to speed up defrosting can damage the inner lining. **DO NOT** use any type of electrical heater to defrost.
- Use only genuine U-Line replacement parts. Imitation parts can reduce ice rate, cause water to overflow from ice maker mold, damage the unit, and may void the warranty.

INSTALLATION

SITE PREPARATION

1. Position the unit on a flat, level surface, capable of supporting the entire weight of the unit. Remember that the unit will be significantly heavier once it is fully loaded.
2. Connect the unit to a grounded and polarized 115 VAC, 60Hz, 15A circuit (normal household current).



DANGER



ELECTROCUTION HAZARD!

Electrical Grounding Required. This appliance is equipped with a three prong (grounding) polarized plug for your protection against possible shock hazards.

- **NEVER** remove the round grounding prong from the plug.
- **NEVER** use a two-prong grounding adapter.
- **NEVER** use an extension cord to connect power to the unit.

Where a two-prong wall receptacle is encountered or a longer power cord is required, contact a qualified electrician to have it replaced in accordance with applicable electrical codes.

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NOTE

Keep in mind that the door of the unit may be mounted on either side of the cabinet (see **REVERSING THE DOOR**). All U-Line units have a zero clearance for the door to open when the handle is on the right (see Figure 1).

Additional clearance is needed for Combo Models 29A, 29FF, and 75A only, when the door handle is on the left. See **BUILT-IN INSTALLATION** for additional clearance requirements for these models.

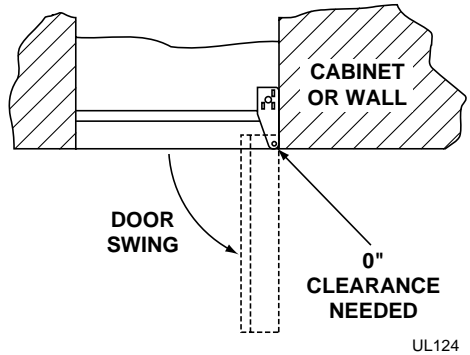


Figure 1

3. On Ice Maker models SP18, BI-95, BI-98 and Combo Series 29 and 75, install a 1/4 inch copper water line (not supplied with unit) from the nearest COLD water pipe. When connecting the water supply, follow these guidelines:
 - Review the local plumbing codes before you install the unit.
 - In most instances, the cold water supply will come from the basement through a hole in the floor.
 - The water pressure should be between 15 and 150 psi.
 - Install a SHUT-OFF VALVE in the 1/4 inch supply line.
 - Connect sufficient tubing to the unit to allow the unit to be moved for cleaning and servicing. However, make certain that the tubing is not pinched or damaged during installation.
 - U-Line recommends the use of copper tubing for installation.
4. Position the unit to allow free air flow through the front grille (see Figure 2).
5. Wipe out inside of unit and ice bucket with a damp cloth.

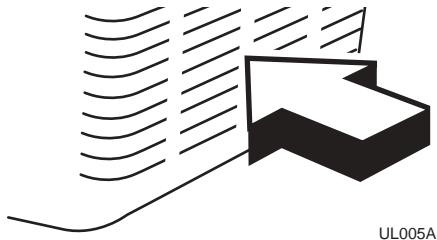


Figure 2

CONNECTING THE WATER SUPPLY

1. Install the 1/4 inch copper water line from the main water source. On ice maker models BI-95 and BI-98, the water line is inserted through the hole in the rear of the unit to connect to the solenoid valve in the front (see Figure 3).
3. Carefully bend the water supply line into position and connect the line to the solenoid valve (see Figures 5 and 6). Avoid kinking the water supply line.

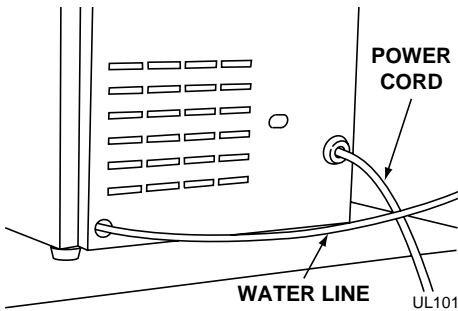


Figure 3

2. Locate the compression fitting and ferrule packed in the unit. Slide the compression fitting and ferrule over the 1/4 inch water supply line. Do not use thread sealing compound or tape. Using two wrenches, tighten the compression fitting on the supply line (see Figure 4).

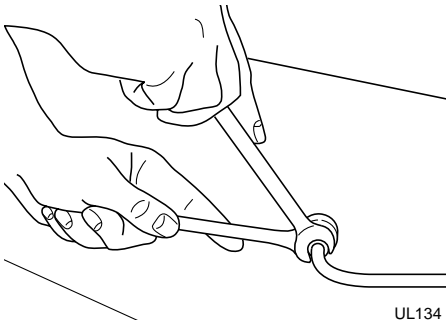


Figure 4

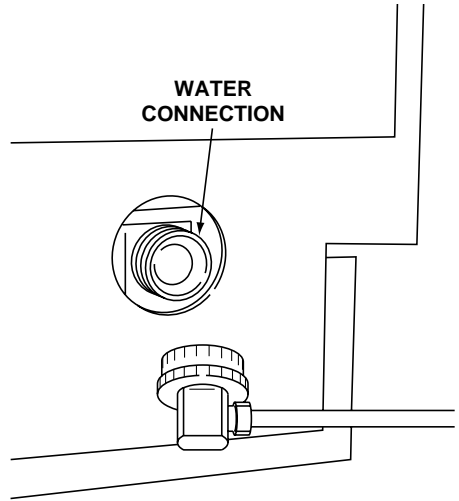


Figure 5

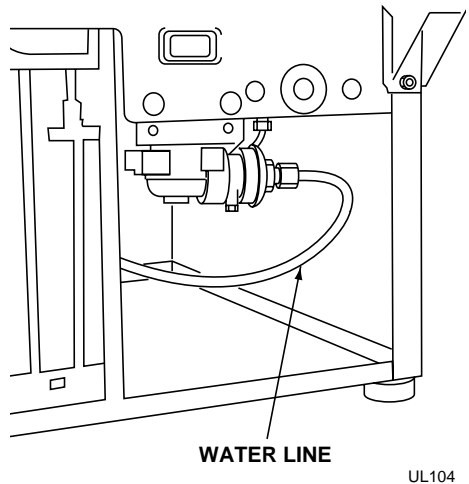


Figure 6

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4. For recessed installations, allow extra water supply line length to provide slack for easy removal from the recessed area (see Figure 7). This will also safeguard against kinking the line.

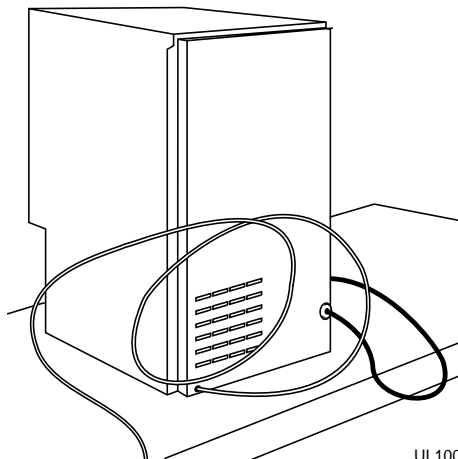


Figure 7

NOTE

If you are not intending to use the ice maker and do not connect the water supply (or turn the supply valve off), it is imperative to raise the bin arm of the ice maker (see Figure 8).

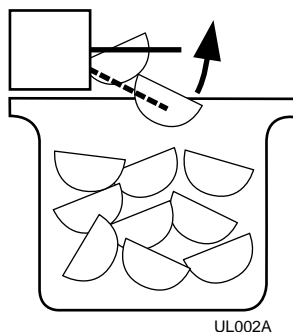


Figure 8

NOTE

After completing the installation, turn on the water and recheck water connection for leaks. Apply additional tightening if needed. Do not use thread sealing compound or tape.

NOTE

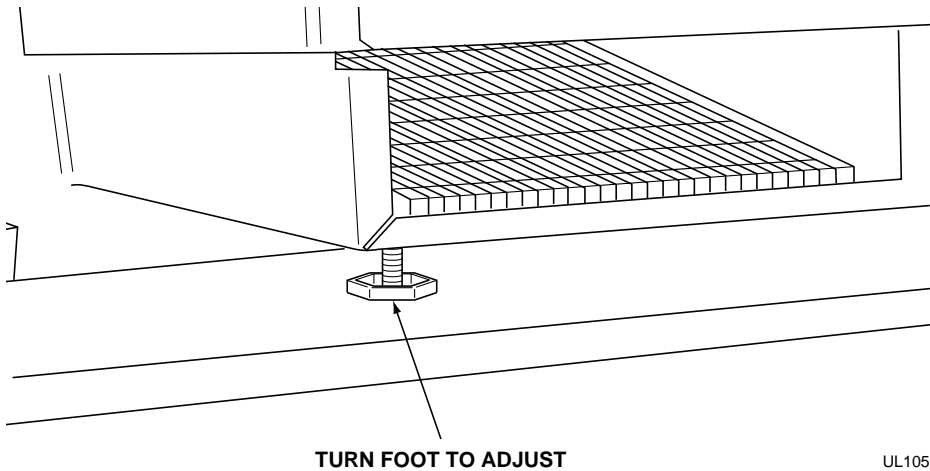
On Models BI-95 and BI-98, route the water supply line through the unit in such a way as to prevent the line from coming in contact with any internal components other than the solenoid valve (see Figure 6). Normal operation creates some vibration. A water supply line contacting an internal component or cabinet wall may cause excessive noise during operation or damage to the line.

5. Install the grille. See GRILLE INSTALLATION.
6. Plug in the power cord.
7. Gently push the unit into position. If desired the unit may be recessed into cabinet or wall.

8. Allow at least 1-1/2 inches clearance behind the unit for electrical and water supply connections.

LEVELING THE UNIT

It is important that the unit, primarily the ice maker assembly, is level. All 75 and 15 Series units are equipped with adjustable feet for leveling and height adjustment (see Figure 9). All other units have rubber feet.



UL105

Figure 9

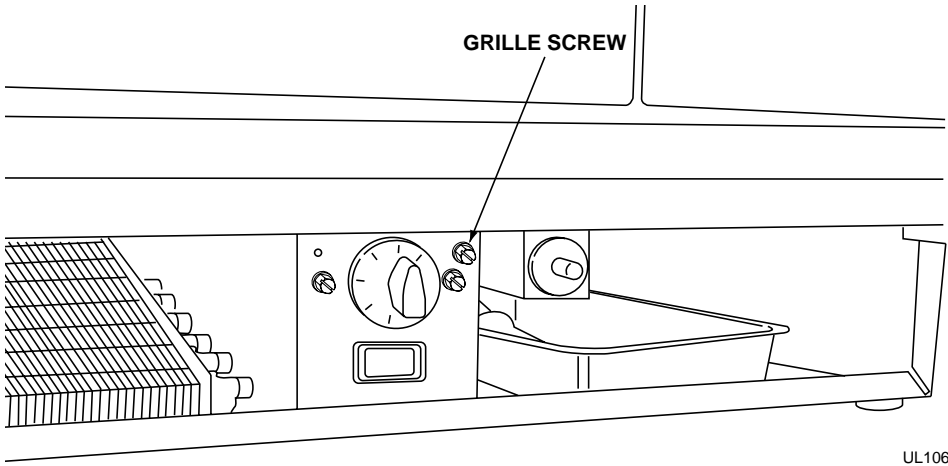
GRILLE INSTALLATION

NOTE

Model SP18 Icemakers come with the grille already installed.

29 AND 75 MODELS

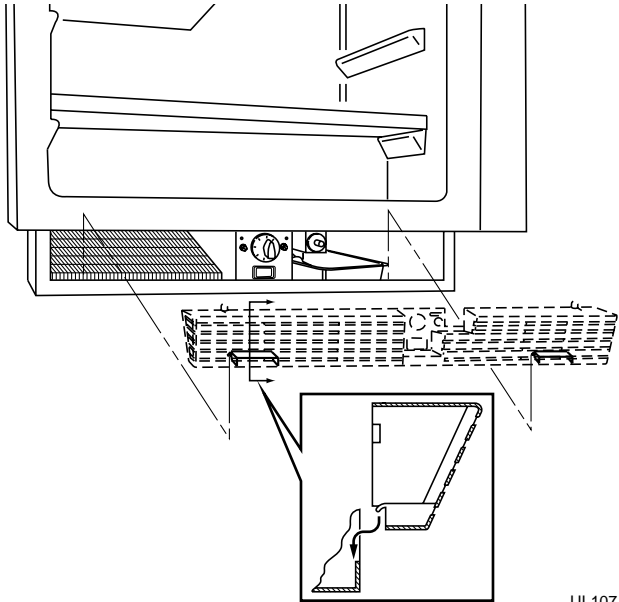
1. With a standard blade screwdriver (or 1/4" nutdriver), remove the screw needed to attach the grille (see Figure 10).
2. Remove the control knob by pulling it toward you.
3. Carefully remove the grille from inside the unit. A small screw hole is located toward the top of the middle recessed section of the grille.



UL106

Figure 10

4. Place the two hook-hinges (located on the rear bottom side of the grille) on the front lip of the unit base. Swing the grille up into position, aligning the grille and cabinet screw holes (see Figure 11).



UL107

Figure 11

5. Insert the screw, being careful not to over tighten.
6. Reinstall control knob.

95 AND 98 MODELS

1. With a standard blade screwdriver (or 1/4" nutdriver), remove the screw needed to attach the grille (see Figure 12).
2. Carefully remove the grille from inside the unit. Locate the screw hole at the top, middle recessed section of the grille.
3. Place the two hook-hinges (located on the rear bottom side of the grille) on the front lip of the unit base. Swing the grille up into position, aligning the grille and cabinet screw holes (see Figure 13).

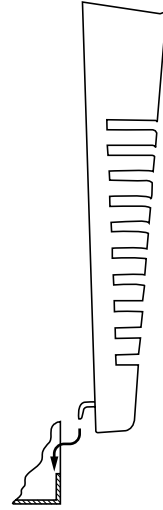


Figure 12

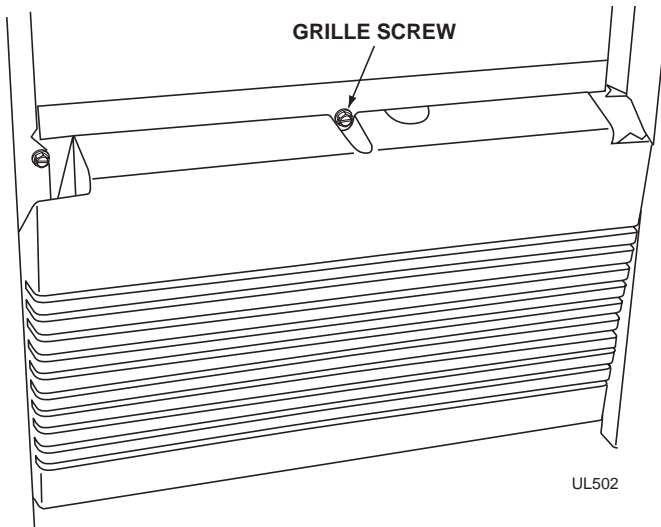
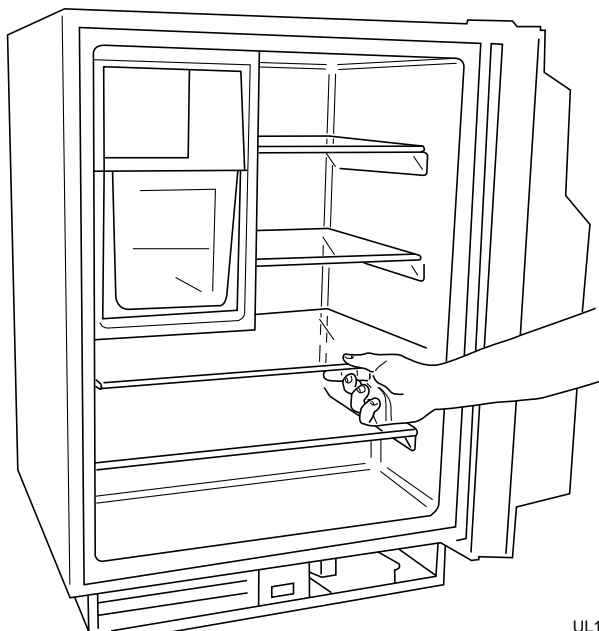


Figure 13

4. Insert the screw, being careful not to over tighten.

GLASS SHELF INSTALLATION (FOR MODELS WITH GLASS SHELVES)

1. Carefully remove the shelves from inside the unit and remove the packaging.
2. Slide the shelves onto desired ribs, making sure that the silver edge strip is toward the front of the unit and the decorative graphics are on the underside of the shelves. Make sure the shelves are inserted fully into the unit (see Figure 14). The white edge strip towards the rear (Models 15R, 29R and 75R only) prevents cans and bottles from freezing against the cold evaporator.



UL108

Figure 14

NOTE

Be sure to place shelves with the silver edge to the front and decorative graphics on the underside.

REVERSING THE DOOR

Depending upon the location of the unit, it may be desirable to change the side on which the door is mounted.

NOTE

On Combo Models 29A and 29FF (built-in installations only), changing the door mounting to the left side may interfere with ice bucket removal. See BUILT-IN INSTALLATION section for clearance requirements.

To reverse the door mounting on Models SP18, BI-95, BI-98, 15R, 29R, Combo 29A, and Combo 29FF (except Stainless Steel models), perform the following:

1. Remove grille (1 screw). See Figure 15.
2. Remove top hinge from cabinet (3 screws). See Figure 16. Hold door to keep it from falling.

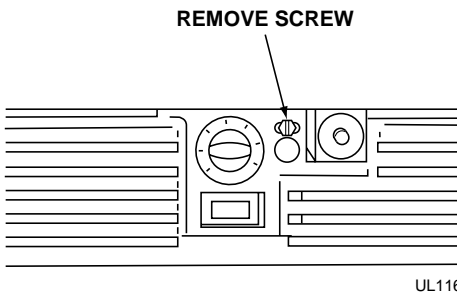


Figure 15

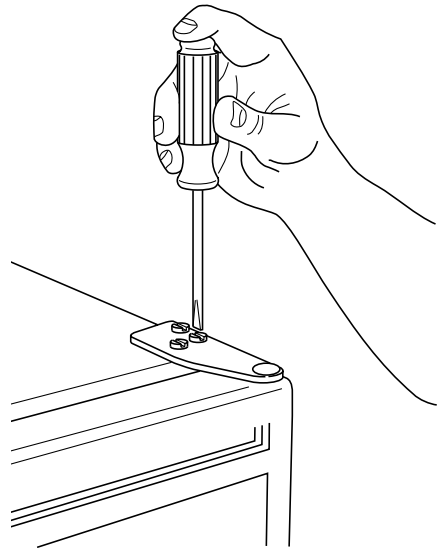
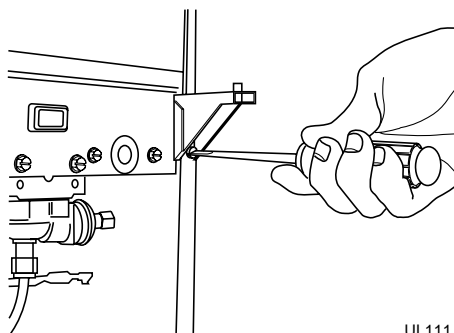


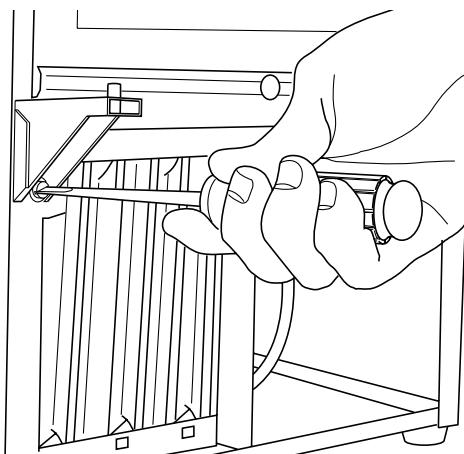
Figure 16

3. Lift the door off the bottom hinge.
4. Remove bottom hinge from cabinet (2 screws) (see Figure 17). Remove screws on opposite side of cabinet (see Figure 18). Note that there may be a nut behind one or both screws on either side.
5. Install hinge on opposite side, bottom of cabinet (see Figure 19). Replace nut on back side where installed. Align hinge outer edge with cabinet before tightening screws.



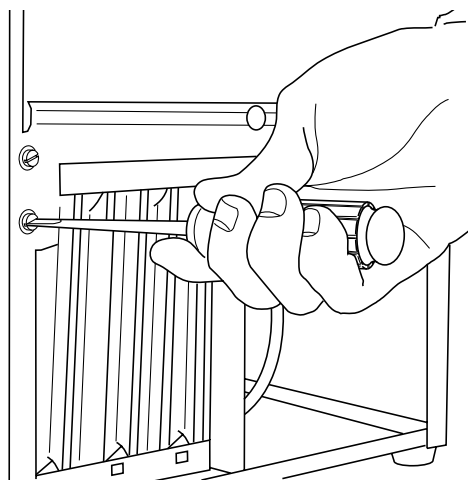
UL111

Figure 17



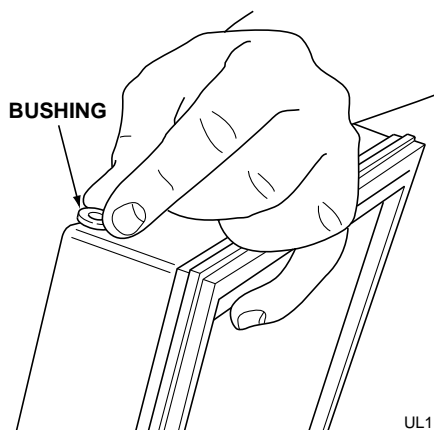
UL112

Figure 19



UL110

Figure 18

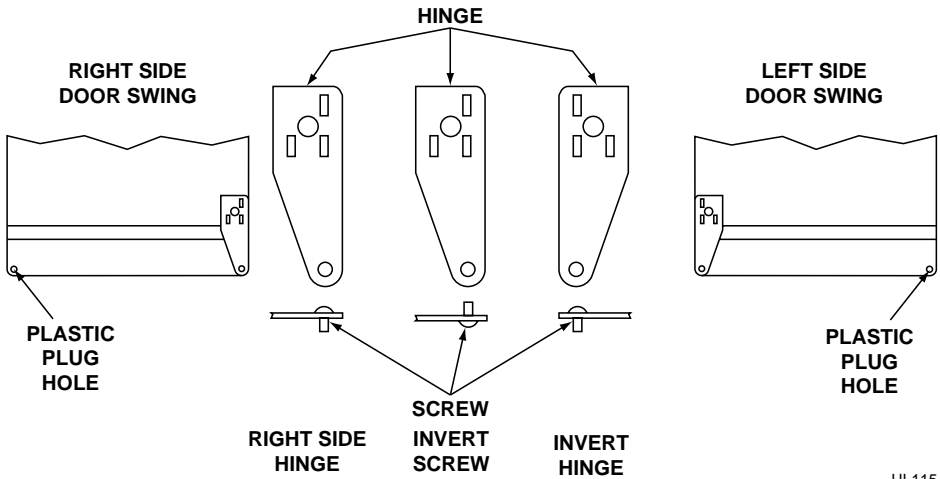


UL113

Figure 20

6. Relocate plastic spacer/bushing on bottom of door to opposite side, and place door on bottom hinge pin (see Figure 20). Clean out bushing hole in door bottom with a screwdriver if needed.
7. Remove plastic hole plug from door handle and relocate on opposite side. See Figure 21.

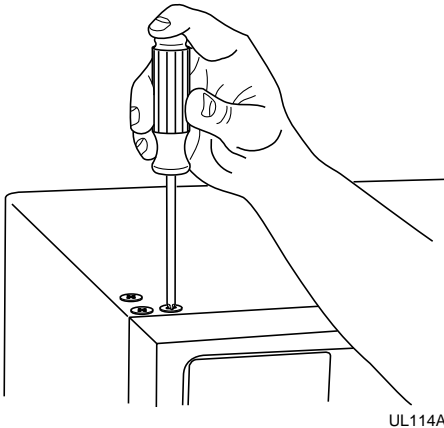
8. Remove pivot screw from top hinge, invert screw and reinstall pivot screw in top hinge. See Figure 19.



UL115

Figure 21

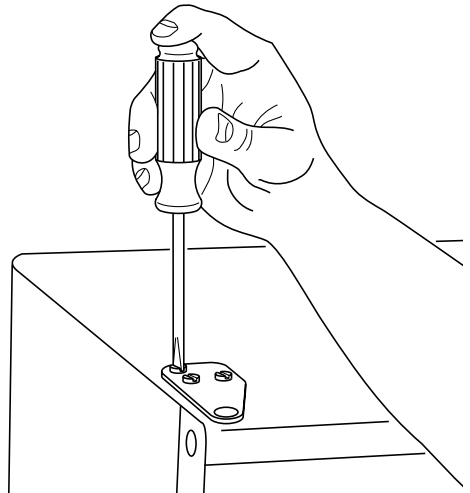
9. Remove three plastic screw plugs in hinge holes, top of cabinet, opposite side. Be careful not to scratch cabinet (see Figure 22).
11. Fasten upper hinge to unit (3 screws). Partially tighten screws until door is aligned. See Figure 23.



UL114A

Figure 22

10. Place door on lower hinge pin. Invert and install upper hinge on door.



UL119

Figure 23

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12. Adjust door to assure proper seal. Tighten upper hinge screws securely.
13. Replace three plastic plugs removed in step 8 into holes on top of unit. Replace screws in holes in bottom of unit, opposite side.
14. Reinspect door seal and alignment. Adjust if needed.
15. Reinstall grille (1 screw).

NOTE

On Combo Model 75A (built-in installations only), changing the door mounting to the left side may interfere with ice bucket removal. See BUILT-IN INSTALLATION section for clearance requirements.

To reverse the door mounting on Models Combo 75A and 75R (except Stainless Steel models) perform the following:

1. Remove grille (1 screw). See Figure 15.
2. Remove top hinge from cabinet (4 screws). See Figure 16. Hold door to keep it from falling.
3. Lift the door off the bottom hinge.
4. Remove four plastic plugs in hinge holes, top of cabinet, opposite side (see Figure 22). Be careful not to scratch cabinet.
5. Remove pivot screw from top hinge, invert screw and reinstall pivot screw in top hinge. See Figure 21. Do not install hinge on cabinet at this time.
6. Remove bottom hinge from cabinet (4 screws) and screws on opposite side of cabinet (see Figure 24).
7. Remove pivot screw from bottom hinge, invert screw and reinstall pivot screw in hinge (see Figure 21).

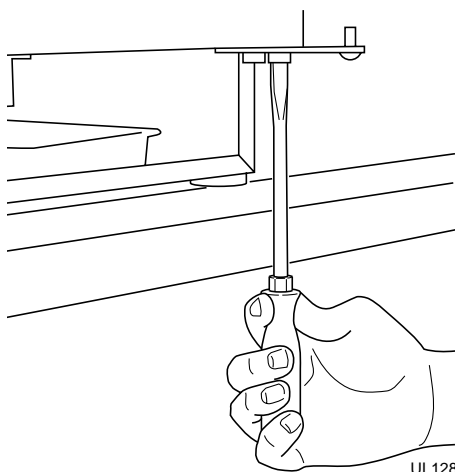
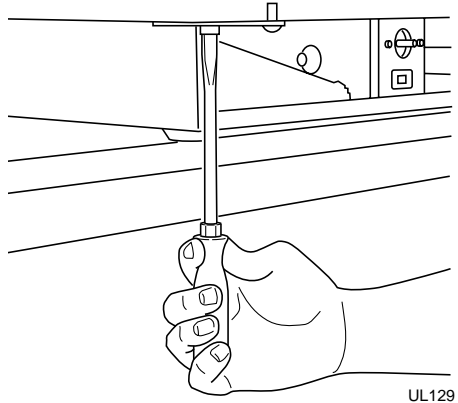


Figure 24

8. Install bottom hinge on cabinet, opposite side, aligning flat edge of hinge with outer edge of unit. Partially tighten screws. See Figure 25.
9. Relocate plastic spacer/bushing on bottom of door to opposite side, and place door on bottom hinge pin (see Figure 20). Clean out bushing hole in door bottom with a screwdriver if needed.



UL129

Figure 25

10. Place door on lower hinge pin. Align flat edge of top hinge with outer edge of unit and fasten upper hinge to unit (4 screws). Partially tighten screws until door is aligned. See Figure 23.
11. Adjust door to assure proper seal. Tighten upper and lower hinge screws securely.
12. Replace four plastic plugs removed in step 5 into holes on top of unit. Replace screws in holes in bottom of unit, opposite side.
13. Reinspect door seal and alignment. Adjust if needed.
14. Reinstall grille (1 screw).